Welcome to STN International!   Enter x:x

LOGINID:ssspta1611sxp

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

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NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
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NEWS 3   May 12   EXTEND option available in structure searching
NEWS 4   May 12   Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5   May 27   New UPM (Update Code Maximum) field for more efficient patent
                     SDIs in CAplus
NEWS 6   May 27   CAplus super roles and document types searchable in REGISTRY
NEWS 7   Jun 28   Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8   Jun 28   ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                     and WATER from CSA now available on STN(R)
NEWS 9   Jul 12   BEILSTEIN enhanced with new display and select options,
                     resulting in a closer connection to BABS
NEWS 10   Jul 30   BEILSTEIN on STN workshop to be held August 24 in conjunction
                     with the 228th ACS National Meeting
NEWS 11   AUG 02   IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                     fields
NEWS 12   AUG 02   CAplus and CA patent records enhanced with European and Japan
                     Patent Office Classifications
NEWS 13   AUG 02   STN User Update to be held August 22 in conjunction with the
                     228th ACS National Meeting
NEWS 14   AUG 02   The Analysis Edition of STN Express with Discover!
                     (Version 7.01 for Windows) now available
NEWS 15   AUG 04   Pricing for the Save Answers for SciFinder Wizard within
                     STN Express with Discover! will change September 1, 2004

NEWS EXPRESS   JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
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NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
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NEWS WWW   CAS World Wide Web Site (general information)

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  * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 10:01:34 ON 12 AUG 2004

Patel   <8/12/2004>

```
=> file reg
```

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'REGISTRY' ENTERED AT 10:01:51 ON 12 AUG 2004
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STRUCTURE FILE UPDATES: 11 AUG 2004   HIGHEST RN 725685-10-9
DICTIONARY FILE UPDATES: 11 AUG 2004   HIGHEST RN 725685-10-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
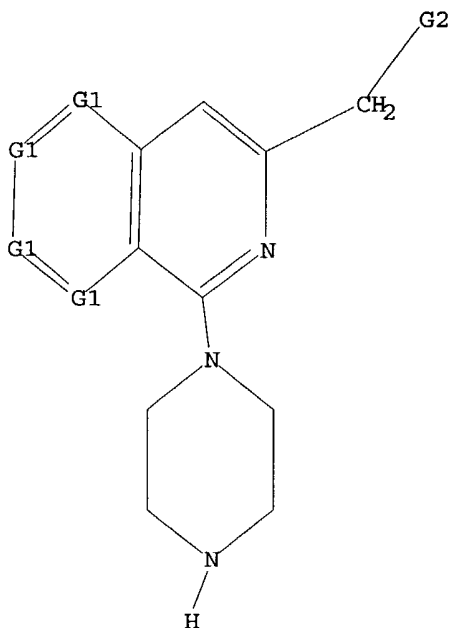to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

```
=>
Uploading C:\Program Files\Stnexp\Queries\10796673.str

L1      STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1              STR
```

G1 N,CH

G2 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.


```
=> s l1 sss full
FULL SEARCH INITIATED 10:02:15 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   3737 TO ITERATE

100.0% PROCESSED   3737 ITERATIONS                        0 ANSWERS
SEARCH TIME: 00.00.01

L2           0 SEA SSS FUL L1

=> log y
COST IN U.S. DOLLARS                    SINCE FILE      TOTAL
                                           ENTRY      SESSION
FULL ESTIMATED COST                        155.42      155.63

STN INTERNATIONAL LOGOFF AT 10:02:37 ON 12 AUG 2004
```

Welcome to STN International! Enter x:x

LOGINID:sssptal611sxp

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

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NEWS 4   May 12   Polymer links for the POLYLINK command completed in REGISTRY
NEWS 5   May 27   New UPM (Update Code Maximum) field for more efficient patent
                   SDIs in CAplus
NEWS 6   May 27   CAplus super roles and document types searchable in REGISTRY
NEWS 7   Jun 28   Additional enzyme-catalyzed reactions added to CASREACT
NEWS 8   Jun 28   ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
                   and WATER from CSA now available on STN(R)
NEWS 9   Jul 12   BEILSTEIN enhanced with new display and select options,
                   resulting in a closer connection to BABS
NEWS 10   Jul 30   BEILSTEIN on STN workshop to be held August 24 in conjunction
                   with the 228th ACS National Meeting
NEWS 11   AUG 02   IFIPAT/IFIUDB/IFICDB reloaded with new search and display
                   fields
NEWS 12   AUG 02   CAplus and CA patent records enhanced with European and Japan
                   Patent Office Classifications
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                   (Version 7.01 for Windows) now available
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                   STN Express with Discover! will change September 1, 2004

NEWS EXPRESS   JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
                MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
                AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
NEWS PHONE   Direct Dial and Telecommunication Network Access to STN
NEWS WWW   CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that
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FILE 'HOME' ENTERED AT 10:04:41 ON 12 AUG 2004

Patel   <8/12/2004>

```
=> file reg
COST IN U.S. DOLLARS                          SINCE FILE        TOTAL
                                                 ENTRY        SESSION
FULL ESTIMATED COST                              0.21           0.21

FILE 'REGISTRY' ENTERED AT 10:04:58 ON 12 AUG 2004
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STRUCTURE FILE UPDATES:    11 AUG 2004   HIGHEST RN 725685-10-9
DICTIONARY FILE UPDATES:   11 AUG 2004   HIGHEST RN 725685-10-9

TSCA INFORMATION NOW CURRENT THROUGH MAY 21, 2004

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Experimental and calculated property data are now available. For more
information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading c:\program files\stnexp\queries\10796673.1

L1       STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                STR
```
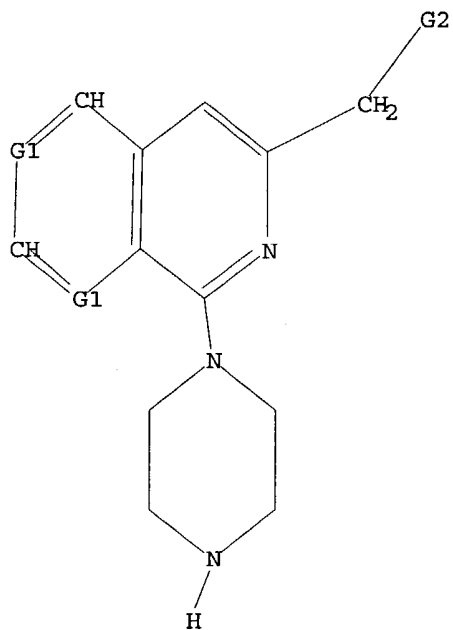
G1 N,CH
G2 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.


```
=> s l1 sss full
FULL SEARCH INITIATED 10:05:21 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   1790 TO ITERATE

100.0% PROCESSED   1790 ITERATIONS                       0 ANSWERS
SEARCH TIME: 00.00.01

L2             0 SEA SSS FUL L1

=> log y
COST IN U.S. DOLLARS                       SINCE FILE      TOTAL
                                               ENTRY      SESSION
FULL ESTIMATED COST                           155.42       155.63

STN INTERNATIONAL LOGOFF AT 10:05:26 ON 12 AUG 2004
```

Welcome to STN International!   Enter x:x

LOGINID:sssptal611sxp

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

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NEWS 8   Jun 28 ANTE, AQUALINE, BIOENG, CIVILENG, ENVIROENG, MECHENG,
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NEWS 9   Jul 12 BEILSTEIN enhanced with new display and select options,
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                  fields
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NEWS EXPRESS   JULY 30 CURRENT WINDOWS VERSION IS V7.01, CURRENT
               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 11 AUGUST 2004
NEWS HOURS   STN Operating Hours Plus Help Desk Availability
NEWS INTER   General Internet Information
NEWS LOGIN   Welcome Banner and News Items
NEWS PHONE   Direct Dial and Telecommunication Network Access to STN
NEWS WWW   CAS World Wide Web Site (general information)

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FILE 'HOME' ENTERED AT 10:07:08 ON 12 AUG 2004

Patel   <8/12/2004>

```
=> file reg
COST IN U.S. DOLLARS                            SINCE FILE      TOTAL
                                                  ENTRY        SESSION
FULL ESTIMATED COST                               0.21          0.21

FILE 'REGISTRY' ENTERED AT 10:07:18 ON 12 AUG 2004
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STRUCTURE FILE UPDATES:    11 AUG 2004   HIGHEST RN 725685-10-9
DICTIONARY FILE UPDATES:   11 AUG 2004   HIGHEST RN 725685-10-9

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=>
Uploading c:\program files\stnexp\queries\10796673.2

L1        STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                STR
```
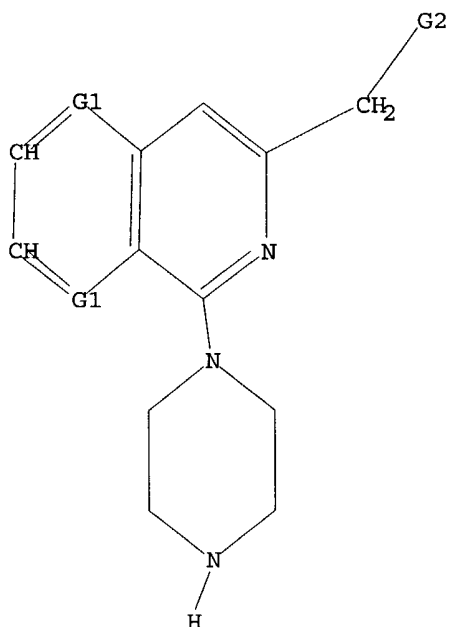
G1 N,CH

G2 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.


```
=> s l1 sss full
FULL SEARCH INITIATED 10:07:42 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   3390 TO ITERATE

100.0% PROCESSED   3390 ITERATIONS                         0 ANSWERS
SEARCH TIME: 00.00.01

L2            0 SEA SSS FUL L1

=> log y
COST IN U.S. DOLLARS                    SINCE FILE        TOTAL
                                            ENTRY       SESSION
FULL ESTIMATED COST                        155.42        155.63

STN INTERNATIONAL LOGOFF AT 10:07:47 ON 12 AUG 2004
```

Welcome to STN International!   Enter x:x

LOGINID:ssspta1611sxp

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * *   Welcome to STN International   * * * * * * * * * *

NEWS 1   Web Page URLs for STN Seminar Schedule - N. America
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               MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
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FILE 'HOME' ENTERED AT 10:10:27 ON 12 AUG 2004

Patel   <8/12/2004>

```
=> file reg
COST IN U.S. DOLLARS                          SINCE FILE        TOTAL
                                                ENTRY          SESSION
FULL ESTIMATED COST                              0.21            0.21

FILE 'REGISTRY' ENTERED AT 10:10:37 ON 12 AUG 2004
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STRUCTURE FILE UPDATES:    11 AUG 2004   HIGHEST RN 725685-10-9
DICTIONARY FILE UPDATES:   11 AUG 2004   HIGHEST RN 725685-10-9

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   conducting SmartSELECT searches.

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information enter HELP PROP at an arrow prompt in the file or refer
to the file summary sheet on the web at:
http://www.cas.org/ONLINE/DBSS/registryss.html

=>
Uploading c:\program files\stnexp\queries\10796673.3

L1       STRUCTURE UPLOADED

=> d l1
L1 HAS NO ANSWERS
L1                 STR
```

G2
G1
G1
$[CH_2]_{0-1}$
G1
N
G1
N
N
H

G1 N,CH

G2 Cb,Cy,Hy

Structure attributes must be viewed using STN Express query preparation.

=> s l1 sss full
FULL SEARCH INITIATED 10:11:11 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   19524 TO ITERATE

100.0% PROCESSED   19524 ITERATIONS   5 ANSWERS
SEARCH TIME: 00.00.01

L2   5 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                           ENTRY   SESSION

FULL ESTIMATED COST   155.42   155.63

FILE 'CAPLUS' ENTERED AT 10:11:21 ON 12 AUG 2004
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FILE COVERS 1907 - 12 Aug 2004   VOL 141 ISS 7
FILE LAST UPDATED: 11 Aug 2004   (20040811/ED)

   This file contains CAS Registry Numbers for easy and accurate
   substance identification.

=> s l2
L3   2 L2

=> d l3 fbib hitstr abs total

L3   ANSWER 1 OF 2   CAPLUS   COPYRIGHT 2004 ACS on STN
AN   2003:551515   CAPLUS
DN   139:117410
TI   1,6-Naphthyridines useful as inhibitors of SYK kinase, and their
      preparation, pharmaceutical compositions, and use in the treatment of
      allergic and inflammatory conditions
IN   Cywin, Charles L.; Jakes, Scott E.; Heider, Joachim; Bobko, Mark A.; Des
      Jarlais, Renee L.; Player, Mark; Rinker, James; Winters, Michael; Zhao,
      Bao-Ping
PA   Boehringer Ingelheim Pharmaceuticals, Inc., USA
SO   PCT Int. Appl., 86 pp.
      CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
      PATENT NO.   KIND   DATE   APPLICATION NO.   DATE
      ---------------   ----   --------   --------------------   --------
PI   WO 2003057695   A1   20030717   WO 2002-US38375   20021203
      W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
           CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,
           GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR,
           LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH,
           PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ,
           UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU,
           TJ, TM
      RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, BG,
           CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,
           PT, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML,
           MR, NE, SN, TD, TG
                                               US 2001-29714   A 20011221
      US 2003158195   A1   20030821   US 2001-29714   20011221
      US 2003229090   A1   20031211   US 2003-413980   20030415
                                               US 2001-29714   A1 20011221
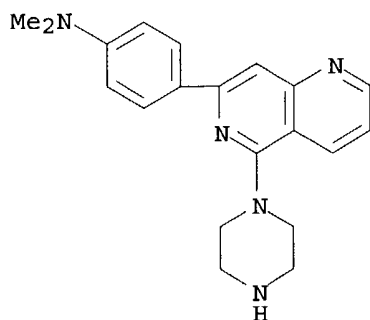OS   MARPAT 139:117410
IT   **562106-42-7P**, 5-(Piperazin-1-yl)-7-[4-(dimethylamino)phenyl]-
      [1,6]naphthyridine
      RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
      (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
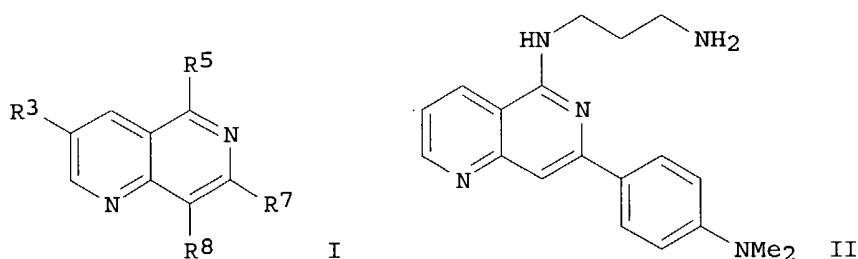   (Uses)
         (drug candidate; preparation of naphthyridines as inhibitors of SYK kinase
         for treatment of allergic and inflammatory conditions)
RN   562106-42-7   CAPLUS
CN   Benzenamine, N,N-dimethyl-4-[5-(1-piperazinyl)-1,6-naphthyridin-7-yl]-
      (9CI)   (CA INDEX NAME)

Patel   <8/12/2004>

Me2N

GI

R5

R3

R7

R8   I

HN   NH2

NMe2   II

AB   Compds. of formula I are disclosed [wherein: R3 = H, C1-3 alkyl, halo, or
Ph; R5 = NR9R10 or OR11; R9 = H or C1-3 alkyl; R10 = (un)substituted
aminoalkyl or hydroxyalkyl where the alkyl may be substituted or
mono-heteroatom-replaced; or NR9R10 = (un)substituted heterocycloalkyl;
R11 = (un)substituted aminoalkyl, alkoxyalkyl, or hydroxyalkyl where the
alkyl may be substituted or mono-heteroatom-replaced; or R11 = cycloalkyl,
heterocycloalkyl, heteroaryl, cycloalkylalkyl, heterocycloalkylalkyl,
arylalkyl, or heteroarylalkyl; R7 = (un)substituted Ph, naphthyl, furyl,
thienyl, pyridyl, indolyl, benzothiazolyl or pyrrolyl; R8 = H, halo, or
cyano; with the proviso that R3 ≠ H and R8 ≠ H when R7 =
methoxy-substituted Ph and R5 = 4-ethylpiperazin-1-yl; or a
pharmaceutically acceptable salt]. I are useful as inhibitors of SYK
kinase, and are thus useful for treating diseases resulting from
inappropriate mast cell activation. Such diseases would include allergic
and inflammatory diseases. Also disclosed are pharmaceutical compns.
comprising compds. I, and processes for preparing I. Synthetic examples (28)
cover both invention compds. and intermediates, and approx. 100 individual
compds. I are claimed per se. For instance, 2-methylnicotinic acid was
lithiated with 2.5 equiv LDA and cyclocondensed with 4-(Me2N)C6H4CN to
give 7-(4-dimethylaminophenyl)-[1,6]naphthyridin-5-ol. This 5-hydroxy
compound was treated with POCl3 to give the 5-chloro analog, which reacted
with 1,3-diaminopropane to give invention compound II. In an assay for
inhibition of SYK kinase activity as measured using DELFIA, all disclosed
compds. I had IC50 values below 30 μM, and preferred compds. had values
below 1 μM.
RE.CNT 6   THERE ARE 6 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L3   ANSWER 2 OF 2 CAPLUS COPYRIGHT 2004 ACS on STN
AN   1999:244638 CAPLUS

Patel   <8/12/2004>

DN   130:311813
TI   Preparation of piperazinylisoquinolines and analogs as serotonin
     antagonists
IN   Ueno, Kohshi; Sasaki, Atsushi; Kawano, Koki; Okabe, Tadashi; Kitazawa,
     Noritaka; Takahashi, Keiko; Yamamoto, Noboru; Suzuki, Yuichi; Matsunaga,
     Manabu; Kubota, Atsuhiko
PA   Eisai Co., Ltd., Japan
SO   PCT Int. Appl., 740 pp.
     CODEN: PIXXD2
DT   Patent
LA   Japanese
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.		DATE
PI WO 9918077	A1	19990415	WO 1998-JP4465		19981002
W: US					
RW: AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL,					
PT, SE					
			JP 1997-284290	A	19971002
JP 2000053647	A2	20000222	JP 1998-281752		19981002
			JP 1997-284290	A	19971002
			JP 1998-153416	A	19980602
EP 1020445	A1	20000719	EP 1998-945593		19981002
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,					
IE, FI					
			JP 1997-284290	A	19971002
			WO 1998-JP4465	W	19981002
US 6340759	B1	20020122	US 2000-509778		20000331
			JP 1997-284290	A	19971002
			WO 1998-JP4465	W	19981002
US 2002013460	A1	20020131	US 2001-852850		20010511
			JP 1997-284290	A	19971002
			WO 1998-JP4465	W	19981002
			US 2000-509778	A3	20000331

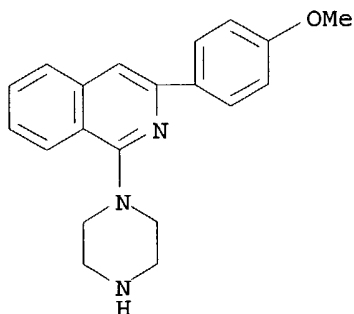OS   MARPAT 130:311813
IT   **223553-55-7P 223554-49-2P 223554-62-9P**
     223554-64-1P
     RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
     (Reactant or reagent)
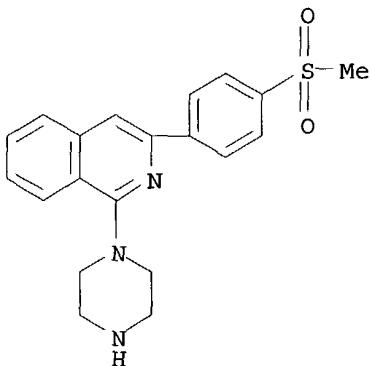   (preparation of piperazinylisoquinolines and analogs as serotonin
        antagonists)
RN   223553-55-7 CAPLUS
CN   Isoquinoline, 3-(4-methoxyphenyl)-1-(1-piperazinyl)- (9CI)   (CA INDEX
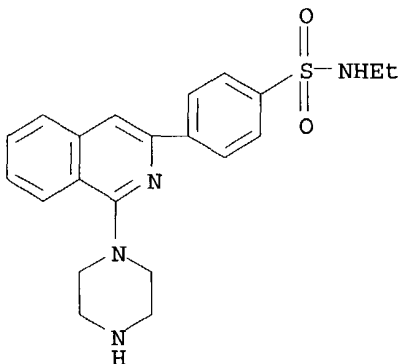   NAME)

RN   223554-49-2 CAPLUS
CN   Isoquinoline, 3-[4-(methylsulfonyl)phenyl]-1-(1-piperazinyl)- (9CI)   (CA
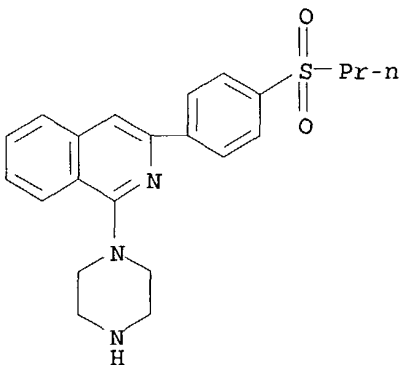   INDEX NAME)

RN   223554-62-9 CAPLUS
CN   Benzenesulfonamide, N-ethyl-4-[1-(1-piperazinyl)-3-isoquinolinyl]- (9CI)
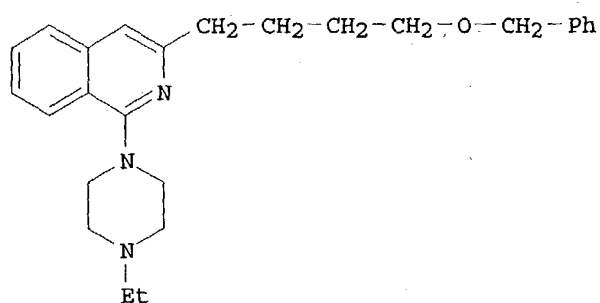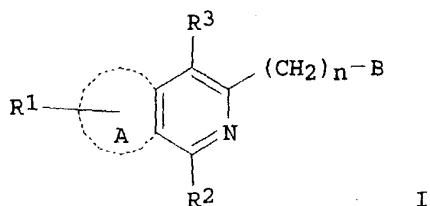   (CA INDEX NAME)

RN   223554-64-1 CAPLUS
CN   Isoquinoline, 1-(1-piperazinyl)-3-[4-(propylsulfonyl)phenyl]- (9CI)   (CA
      INDEX NAME)

GI

R1—A (ring) R3, R2, (CH2)n—B, N

I

CH2—CH2—CH2—CH2—O—CH2—Ph

II

AB   The title compds. I [ring A = benzene, pyridine, thiophene or furan ring;
      B = (un)substituted aryl, etc.; R1 = H, halo, etc.; R2 = 4-morpholinyl,
      etc.; R3 = H, halo, etc.; n = 0, or 1 - 6] are prepared I are central
      muscle relaxing drugs for treating, ameliorating or preventing spastic
      paralysis or ameliorating myotonia. In an in vitro test for 5HT1 receptor
      antagonism, the title compound II showed the Ki value of 21.2 nM.
RE.CNT 4   THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
             ALL CITATIONS AVAILABLE IN THE RE FORMAT